

# February 2015 Climate Summary for Southwest Lower Michigan

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## Overview

The month started out active. Winter storms deposited measurable snow on the 1<sup>st</sup> through the 4<sup>th</sup> and temperatures were below normal. Temperatures then warmed closer to normal for less than a week with little to no precipitation recorded from the 5<sup>th</sup> through the 10<sup>th</sup>. Temperatures then fell back below normal for most of the remainder of the month, as active weather dominated Lower Michigan. Snowfall was recorded on most days through the end of the month.

The average temperature for Grand Rapids in February was 13.3 degrees, which was the coldest February on record. The previous record was 14.3 degrees from 1978. Lansing, with a value of 11.4 degrees, experienced its 4<sup>th</sup> coldest February on record. Muskegon had its 6<sup>th</sup> coldest February with 15.9 degrees. Many daily record temperatures were also set during the month.

Precipitation totals varied from half an inch, up to two inches for February 2015. The highest amounts were in far Southwest Lower Michigan with values falling off further to the northeast. Southwestern locations saw close to normal precipitation with values only about half of normal levels recorded in the northeast.

Snowfall in February 2015 ranged from 20 to 30 inches across the western third of the Lower Michigan and 15 to 20 inches across Southeast Lower Michigan. Lesser amounts fell in Northeast Lower Michigan. Southern Lower Michigan ended the month with close to twice their normal snowfall. Monthly snowfall totals were close to normal in Northern Lower Michigan.

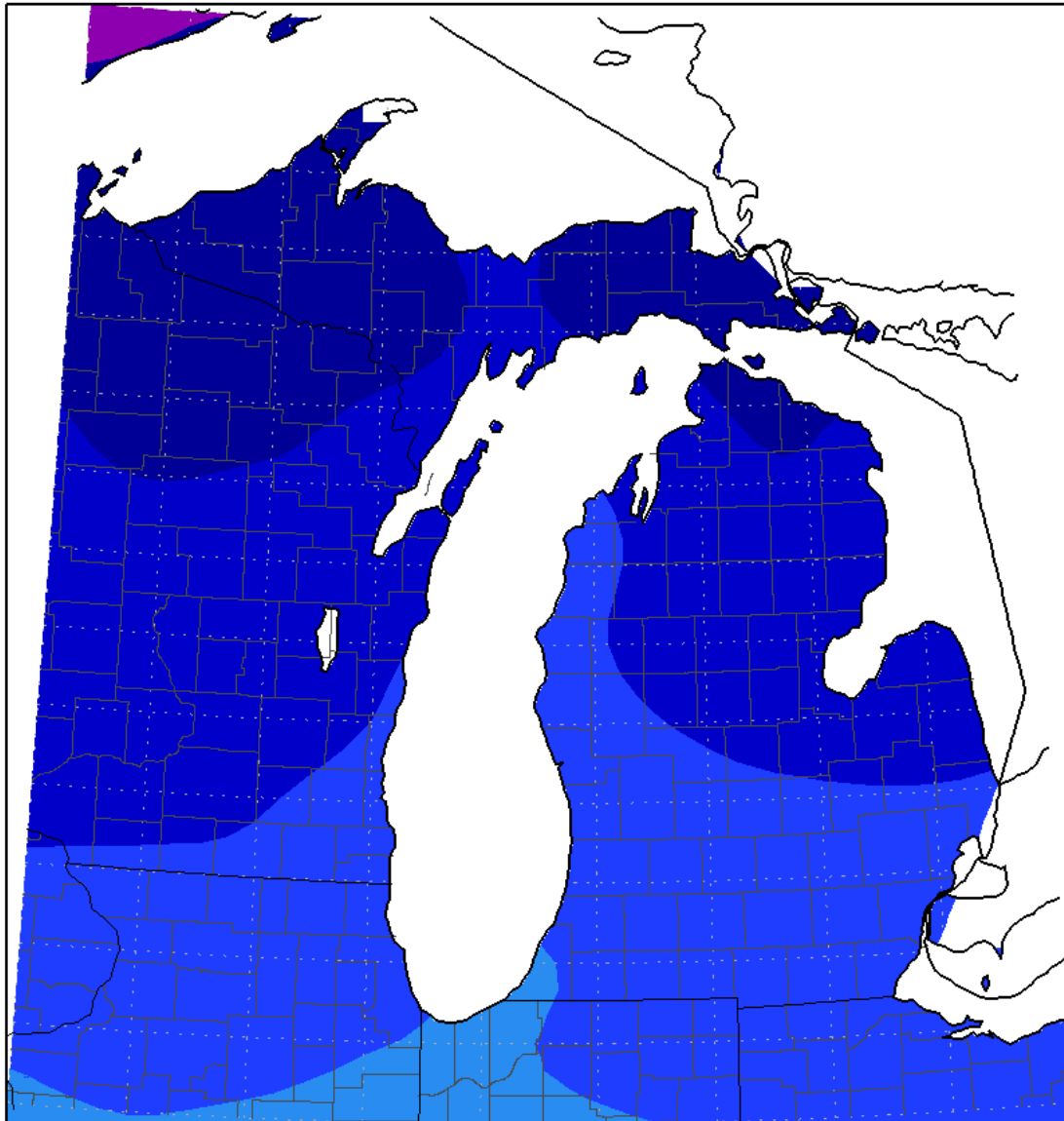
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Table 1. Reported temperature, precipitation and snowfall amounts for February 2015 at the primary climate stations in Southwest Lower Michigan and departures from normal.

Location		Average Temperature (°F)	Precipitation (inches)	Snowfall (inches)
Grand Rapids	Observed	13.3	1.17	19.6
	Departure from Normal	-13.5	-0.62	+4.8
	Normal	26.8	1.79	14.8
Lansing	Observed	11.4	0.90	14.8
	Departure from Normal	-14.5	-0.57	+3.2
	Normal	25.9	1.47	11.6
Muskegon	Observed	15.9	1.57	29.7
	Departure from Normal	-11.2	-0.26	+10.4
	Normal	27.1	1.83	19.3

## February 2015 Climate Summary for Southwest Lower Michigan

Average Temperature (°F)  
February 1, 2015 to February 28, 2015

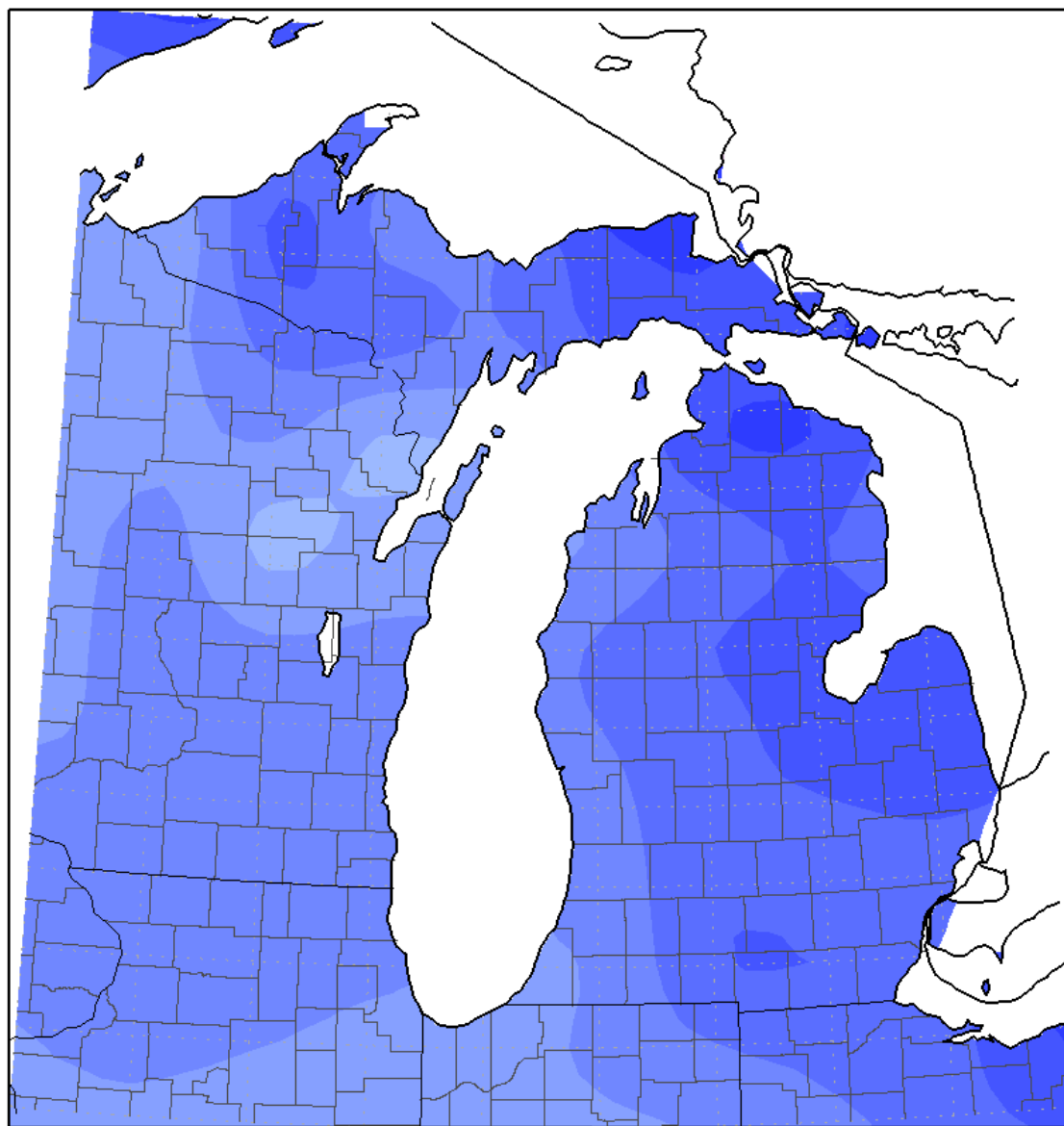


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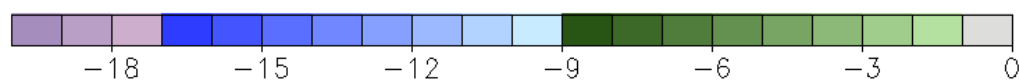
Figure 1. Average temperature (°F) for February 2015.

## February 2015 Climate Summary for Southwest Lower Michigan

Average Temperature (°F): Departure from Mean  
February 1, 2015 to February 28, 2015



Mean period is 1981–2010.

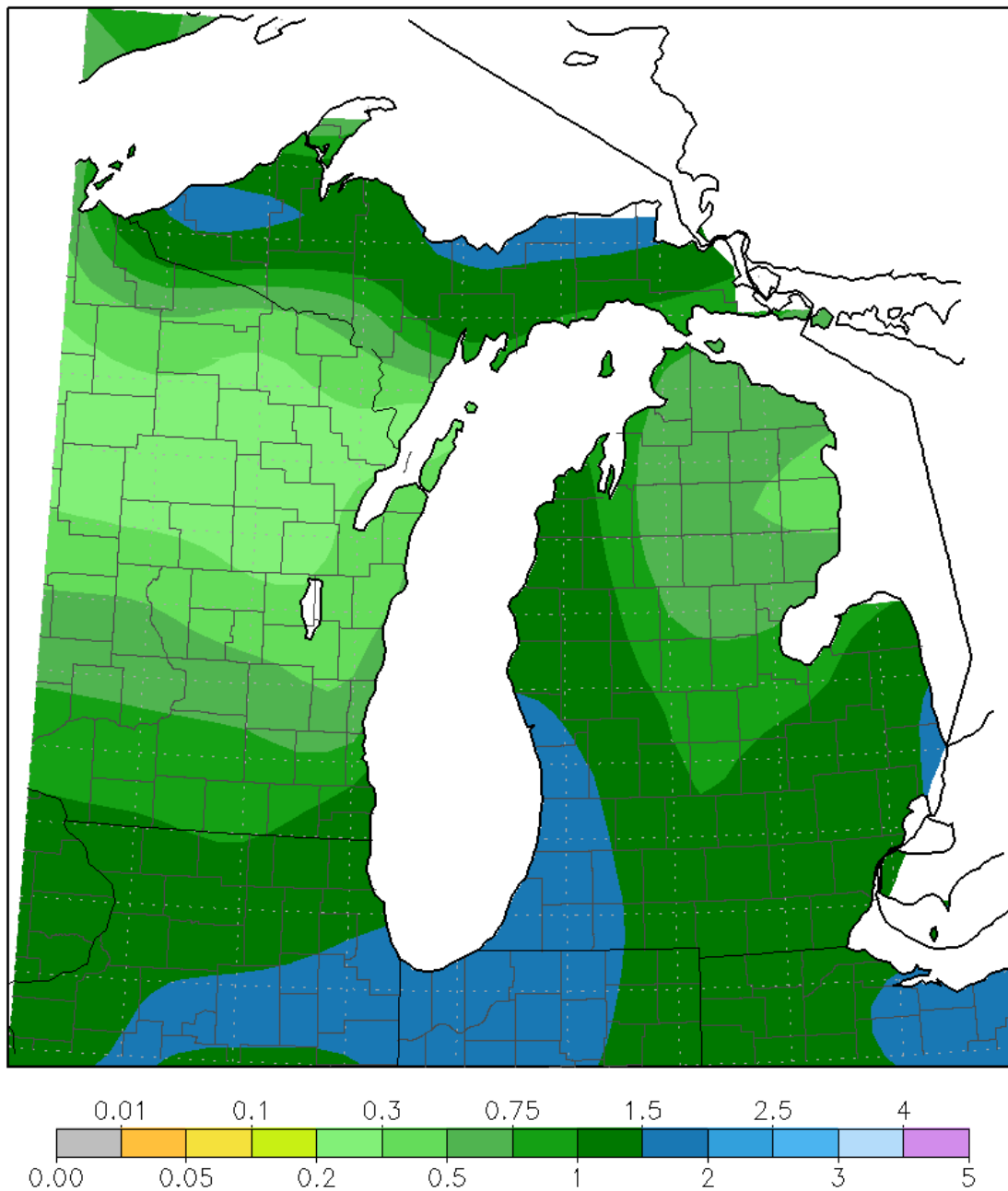


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Figure 2. Average temperature departure from normal (°F) for February 2015.

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Accumulated Precipitation (in)  
February 1, 2015 to February 28, 2015

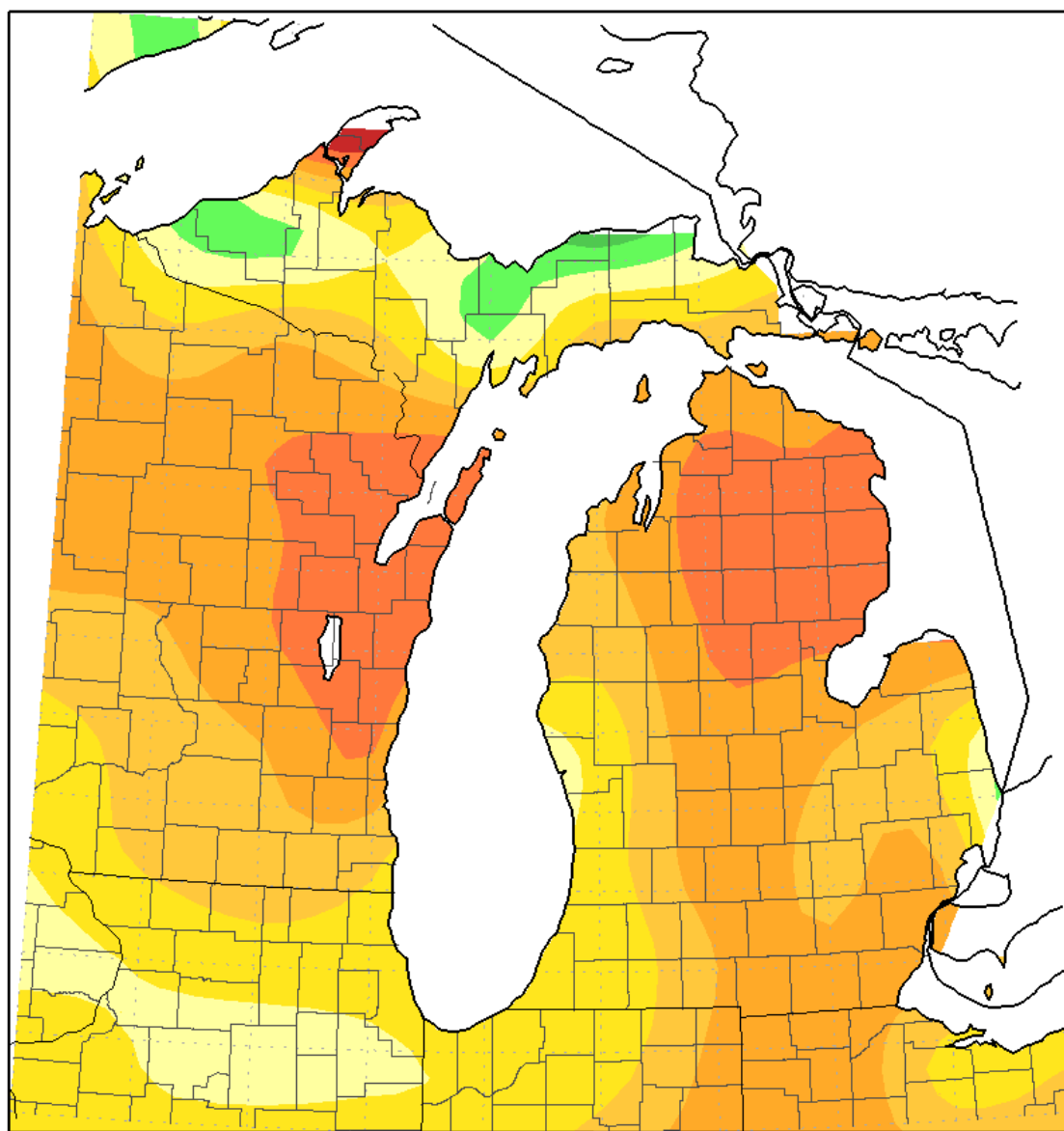


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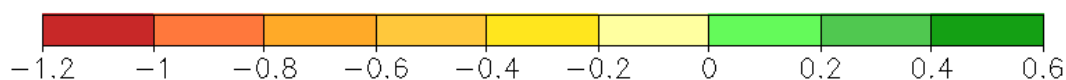
Figure 3. Total precipitation (in inches) for February 2015.

## February 2015 Climate Summary for Southwest Lower Michigan

Accumulated Precipitation (in): Departure from Mean  
February 1, 2015 to February 28, 2015



Mean period is 1981–2010.

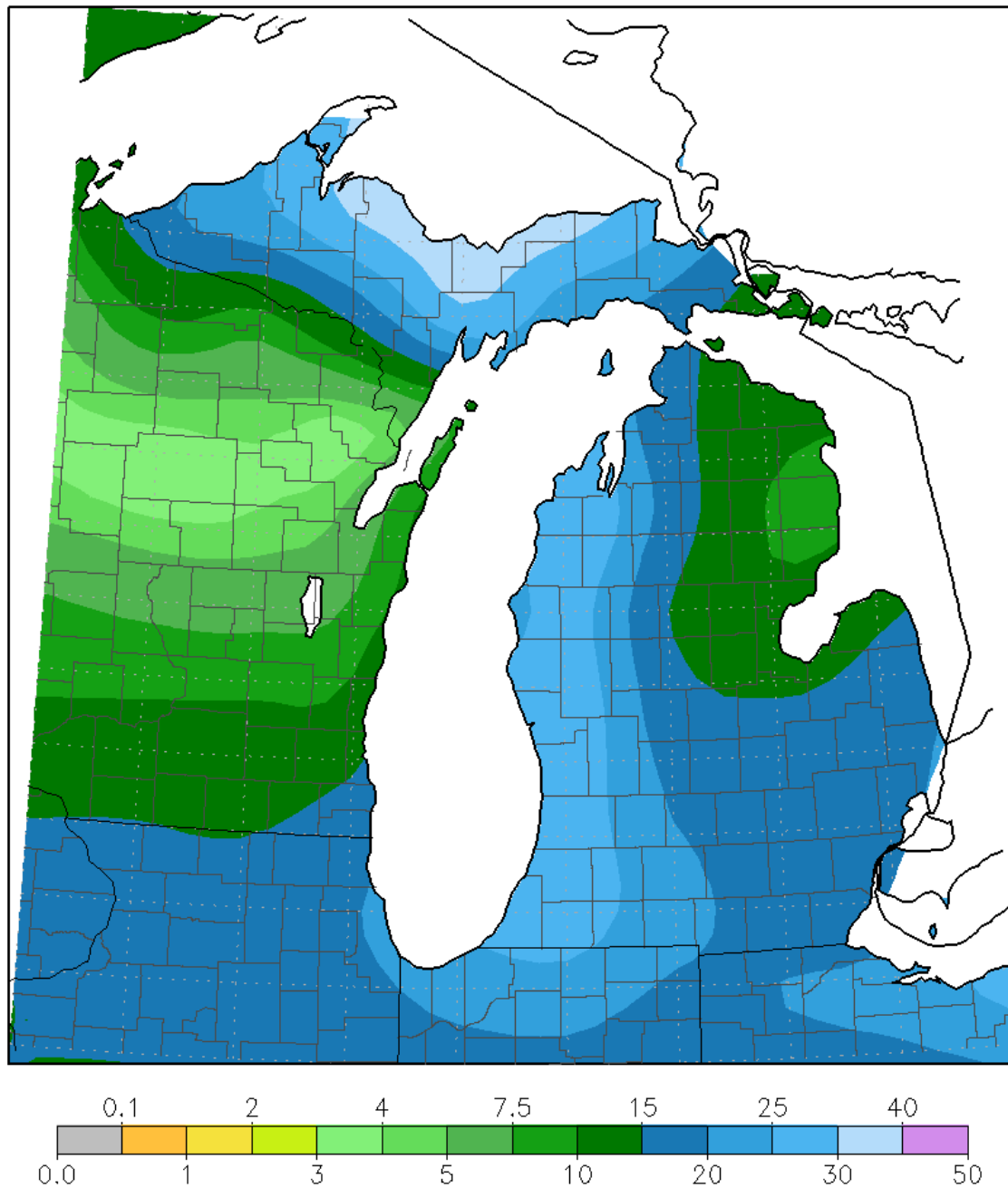


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Figure 4. Precipitation departure from normal (in inches) for February 2015.

## February 2015 Climate Summary for Southwest Lower Michigan

Accumulated Snowfall (in)  
February 1, 2015 to February 28, 2015

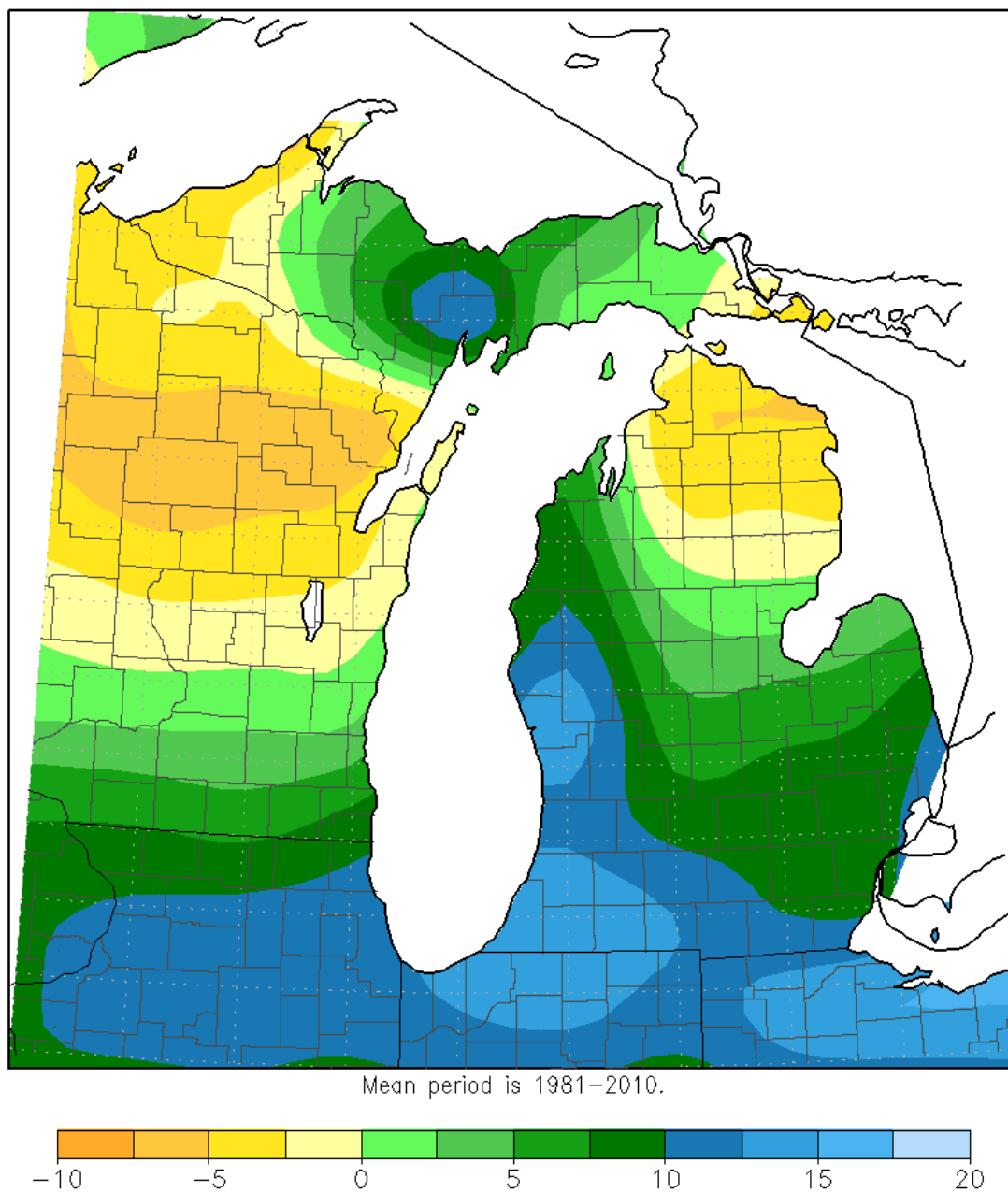


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Figure 5. Accumulated snowfall (in inches) for February 2015.

## February 2015 Climate Summary for Southwest Lower Michigan

Accumulated Snowfall (in): Departure from Mean  
February 1, 2015 to February 28, 2015



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Figure 6. Snowfall departure from normal (in inches) for February 2015.